

Existing Course Name	Date of Last Update	Description of Changes	POC	Web Site	Notes	
AWOC Core			Bobby Prentice	http://www.wdftb.noaa.gov/courses/awoc/core.html	typically open for registration in April with course ending in Sept	
AWOC IC Core 1: Optimizing Learning	3/25/2013	changed content, objectives, added more focus on relationship between facilitator and student in learning and how it translates to performance, changed evaluation forms used in AWOC simulations	Brad Grant			
AWOC IC Core 2: Situation Awareness and Decision Making in a Warning Environment						
Lesson 1: The Warning Process and Role of Intuition	2/5/2010		Jami Boettcher		Will convert to SCORM for FY15	
Lesson 2: Individual SA	2/5/2010		Jami Boettcher		Will convert to SCORM for FY15	
Lesson 3: Team SA	2/5/2010		Jami Boettcher		Will convert to SCORM for FY15	
Lesson 4: SA Demons	2/5/2010		Jami Boettcher		Will convert to SCORM for FY15	
Lesson 5: Maintaining Situation Awareness by Managing the Unexpected	2/5/2010		Bobby Prentice		Will convert to SCORM for FY15	
IC Core 3: Expertise and Effective Office Warning Strategies						
Lesson 1: Expertise	2/3/2010		Bobby Prentice		In FY15, will make minor updates to slide formatting, audio, and notes.	
Lesson 2: Cognitive Task Analysis of Expert Warning Forecasters	1/20/2010		Bobby Prentice		In FY15, will make minor updates to slide formatting, audio, and notes.	
Lesson 3: Learning from Post-Mortems	2/3/2010		Jami/Bobby		This is an instructor-led training (ILT) session which includes three (3) Root Cause Analysis assignments. In FY15, will make minor updates to slide formatting, audio, and notes	
IC Core 4: Conveying Warnings and Public Response						
IC Core 4 Precursor: Radar Sampling Issues	8/29/2013		Andy Wood		In FY16, content will be moved to DLOC.	
Lesson 1: Mitigating Potential Errors in Spotter Reports	3/18/2013	Rework lesson to be more interactive, decision driven	Andy Wood		Plan to rework lesson to be more interactive, decision driven	
Lesson 2: The Warning Response Process	1/14/2009		Dale Morris		No change for FY15.	
Lesson 3: Effective Warnings	3/31/2011		Jim Ladue		No change for FY15.	
AWOC Core Track Crisis Communications Module 1: Crisis Communications Model and Stories of Decision Support	1/1/2013	No changes since initial publishing	Brad Grant		Summarizing in 2015 with a shorter module on risk communication; moving original course to web archive for reference only	
AWOC Core Track Crisis Communications Module 2: tools for Improving Risk Management Support to Stakeholders	1/1/2013	No changes since initial publishing	Brad Grant		Summarizing in 2015 with a shorter module on risk communication and moving original course to permanent web library for reference\	new module will not have an assignment
AWOC Severe Track			Brad Grant	http://www.wdftb.noaa.gov/courses/awoc/severe.html	typically open for registration in April with course ending in Sept	
IC Severe 1: Conceptual Models of Storms						
IC Severe 1: Conceptual Models for Origins and Evolutions of Convective Storms: Lesson 1: Supercells	3/26/2013	Updated graphics, new recording, SCORM tests Added science from Vortex 2 of role of vortex arches and RFD surges in tornadogenesis	Brad Grant			
IC Severe 1: Conceptual Models for Origins and Evolutions of Convective Storms: Lesson 2: Hailstorms	3/26/2013	Redesigned with similar content from last publishing in 2009; Added SHIP hail forecasting parameter\	Brad Grant			
IC Severe 1: Conceptual Models for Origins and Evolutions of Convective Storms: Lesson 3: Flash Floods	3/7/2013	Redesigned with focus on synoptic scale patterns and met ingredients associated with heavy rainfall and flash flood events. Plus, module discusses the trends and biases of quantitative precipitation forecasts and their role in heavy rainfall forecasting.	Jill Hardy		Moved to AWOC Flash Flood Track	
IC Severe 2 : Threat Assessment						
Lesson 1: Lifting Mechanisms	3/7/2013	Changed graphics, recordings, case studies	Chris Spannagle			
Lesson 2: Short-term Assessment	3/7/2013	New graphics, recordings, case studies	Chris Spannagle			
Lesson 3: Threat Assessment of QLCS	12/14/2012	minor changes to graphics from original publishing in 2009	Brad Grant			
IC Severe 3: Storm Interrogation						
Section 1: Locating Updrafts by Satellite	3/19/2013	minor changes to graphics from original publishing in 2009	Michael Bowlan			

Section 2: Updraft Strength via satellite part 1	3/11/2010	minor changes to graphics from original publishing in 2009	Michael Bowlan		
Section 2: Updraft Strength via satellite part 2	3/11/2010	minor changes to graphics from original publishing in 2009	Michael Bowlan		
Section 3: Tornadogenesis: Near Range Tornadogenesis Signatures Viewed by the WSR-88D (Part 1)	3/8/2012	updated for super-res data	Jim Ladue		
Section 3: Tornadogenesis: Near Range Tornadogenesis Signatures Viewed by the WSR-88D (Part 2)	3/8/2012	updated for super-res data	Jim Ladue		
Supercell Collapse Phase	2/12/2010	no changes since initial publishing	vacant		to be retired
IC Severe 4: Non-Tornadic wind Event Detection					
Lesson 1: Extreme Non-tornadic Wind Damage Events	4/1/2013	few changes since 2005	Jim Ladue		to be retired
IC Severe 5: Quasi-Linear Convective Systems					
Lesson 1: QLCS Storm-Scale Interrogation and Warning Considerations	3/29/2013	No changes since initial publishing	Grant/Ladue		
Lesson 2: Storm Interrogation Strategies of QLCS Mesovortices	2/14/2011	No changes since initial publishing	Jim Ladue		
IC Severe 6: Tornado Warning Guidance (TWG 2013)	4/15/2013	No changes since initial publishing	Jim LaDue		3 parts
Forecast Challenge	8/1/2014	changed some rules and collaboration tools	Chris Spannagle	https://web.wdwb.noaa.gov/secure/AWOC/Online	to be opened up to all forecasters in F15 AWOC Severe
AWOC Severe WES Simulations	3/1/2013	no changes since 2013	Brad Grant		FY14 case based on AWIPS 1/WES-1. To be replaced in 2015 with a WES-2 case.
AWOC Flash Flood			Andy Wood	http://www.wdwb.noaa.gov/courses/awoc/flashflood.html	
AWOC Flash Flood Track Orientation	?????	No changes since initial publishing	Andy Wood		Updates likely in FY15
AWOC Flash Flood IC 1: Conceptual Models	3/7/2013	Redesigned with focus on synoptic scale patterns and met ingredients associated with heavy rainfall and flash flood events. Plus, module discusses the trends and biases of quantitative precipitation forecasts and their role in heavy rainfall forecasting.	Jill Hardy		moved from AWOC Severe IC 1 lesson 3; Updates possible in FY15
AWOC Flash Flood IC 2, Lesson 1: On the Value of Anomalies	12/20/2011	no changes since initial publishing	Jill Hardy		Updates possible in FY15
AWOC Flash Flood IC 2, Lesson 2: Ensembles and Anomalies	5/7/2012	no changes since initial publishing	Jill Hardy		Updates possible in FY15
AWOC Flash Flood IC 3, Lesson 1: FFMP and Issuing Basin-Based Flash Flood Warnings	10/15/2014	Tweaked recently to remove some out of date info	vacant		Updates possible in FY15
AWOC Flash Flood IC 3, Lesson 2: How and When to Use "Flash Flood Emergency"	10/15/2014	Tweaked recently remove some out of date info	BG		Updates possible in FY15
AWOC Flash Flood IC 3, Lesson 3: The Meteorology Behind Extreme Rain Events	8/11/2011	no changes since initial publishing	JL		Updates possible in FY15
AWOC Flash Flood WES Simulation	4/25/2013	no changes since initial publishing	6 objectives based on June 19-20, 2012 Event in DLH		Existing simulation will be dropped; New WES-2 Bridge Simulation in FY15
Tropical Cyclone Tornadoes	4/1/2013	No changes since publishing	Brad Grant	http://www.wdwb.noaa.gov/courses/tc-tor/index.php	4 parts on threat assessment, storm interrogation, warning startategies, and risk communication,; intro video with NWS Director. Based on Irene/Sandy Service Assessments

Brand New Courses for FY 2015	Target Audience	Approximate Duration	Web Site	Dates of Implementation	POC	Notes
MRMS Product Descriptions Course	NWS meteorologists	2-3.5 hours	http://www.wdwb.noaa.gov/courses/MRMS/index.php	10/1/2014	LaDue/Prentice	3 tracks; includes webinars
MRMS Applications Course	NWS meteorologists	1-2 hrs		coincident with AWIPS-2 implementation (potentially Feb 2015)	Ladue/Prentice	
MRMS Storms of the Month	NWS meteorologists	30 min each		8 Starting in Feb 2015	Ladue/Prentice	
WSR-88D Build 16 and Build 17 Training	users of WSR-88D	20 min each	http://www.wdwb.noaa.gov/buildTraining/		Jami Boettcher	training will support beta and deployment for each build
DLOC FY 15 and FY16	Interns	136 hrs	http://www.wdwb.noaa.gov/courses/dloc/index.php	Sept 2014-March 2015	Don Rinderknecht	FY 15 Course ends in March 2015; enrollment for FY16 course begins in July 2015
AWIPS 2 Variance & NSHARP Training	Forecasters and staff who use AWIPS operationally (specific AWIPS-2 Activation Groups)	5-8 hrs	https://doc.learn.com/learncenter.asp?sessionid=3-2E3C83C1-DC25-4902-94AB-F2AEAAFB939&id=178419&page=141	Training is updated for each AWIPS-2 Activation Group and must be taken within 30-day window prior to installation of AWIPS-2	Mike Magsig	
AWIPS 2 Focal Point Training	ITOs and AWIPS Application Focal Points	foundational modules 2	https://doc.learn.com/learncenter.asp?sessionid=3-2E3C83C1-DC25-4902-94AB-F2AEAAFB939&id=178419&page=141	remaining preliminary overviews/exercises and AWIPS-2 archiver training to be complete in late 2014	Mike Magsig	take 3-4 months prior to AWIPS-2 install date to aid in migrating to AWIPS-2
AWIPS 2 Fundamentals	New NWS employees who will use AWIPS-2 operationally or who take DLOC	15-30 hrs		spring/summer 2015	Matt Elliot	DLOC Topic 1 is being moved out of DLOC and will become a standalone course when it is upgraded to AWIPS-2 in FY15
AWIPS 2 Delta: Dual-Pol HPE	forecasters with hydro responsibilities	30-60 min		coincident with 14.3.1 (currently Feb 2015)	Jill Hardy	in 14.3.1 HPE/BiasHPE/HPN can be fed by DHR or Dual-Pol DPR, and it will contain new labels containing the source and bias information
AWIPS 2 Delta: Tracking Meteogram	forecasters	30-60 min		coincident with 14.4.1 (currently June 2015)	Tiffany Meyer	
AWIPS 2 Delta: Automated Microburst Detection Algorithm (AMDA)	forecasters	30-60 min		coincident with 14.4.1 (currently Jun 2015)	Mike Magsig	New microburst detection algorithm from the FAA via the RPG is coming in RPG Build 16 and AWIPS-2 14.4.1.
AWIPS-2 Delta: Dual-Pol Mosaic	forecasters	20 min		coincident with 14.4.1 (currently Jun 2015)	Mike Magsig	Dual-Pol mosaics in the Radar menu arrive in 14.4.1.
AWIPS 2 Delta: Hazard Services Practice Mode	Hydro watch/warning forecasters and focal points	2-3 hrs users, 2-3 hrs focal points		coincident with 15.1.1 Hazard Services practice mode for hydro (currently Sep 2015)	Mike Magsig	15.1.1 hydro practice mode capability will be for focal points and users who want to provide feedback on tool prior to operational release of Hazard Services.
AWIPS-2 Delta: Tornado Track Estimation Tool	forecasters	30-60min		coincident with 15.1.1 (currently Sep 2015)	Mike Magsig	New tool to identify potential tornado damage areas in real time and share with partners
AWIPS-2 Delta: Boundary Tool	forecasters	30-60min		coincident with 15.1.1 (currently Sep 2015)	Mike Magsig	New tool to track boundaries
AWIPS-2 Delta: HCA Hail Severity	forecasters	30-60min		coincident with 15.1.1 (currently Sep 2015)	Mike Magsig	New HCA may require training
WES-2 Bridge Hydro Simulation	Hydrologists and forecasters with FFW responsibilities	2 hrs		9/1/2015	Dale Morris	Based on Nashville Flood Service Assessment
SOO/DOH Facilitation Residence Workshop	new SOOs/DOHs	34 hrs		8/24/2015 - 8/28/2015	Brad Grant	includes 4 hrs of pre-reqs
AWOC Severe: New module on use of CAMS for short-term forecasts	warning forecasters	.5 - 1 hr		6/1/2015	Brad Grant	Based on release of new HRRR model
AWOC Severe: Impact-Based Warnings	warning forecasters	30 min		2/1/2015	Spannagle/Grant	Based on national implementation in 2015
AWOC Core: Use of Social Media in Significant Events	warning forecasters	~2 hrs		3/1/2015	Stephen Mullens	Based on OK tornadoes Service Assessment
Warning Decision Storms of the Month	warning forecasters	30 min		monthly starting in Nov 2014	Jami Boettcher	led by SMEs in field on AWOC related topics
AWOC Severe Hazard Specific Learning Plans	all warning forecaster	each track ~ 3 hrs		launching in FY15	Brad Grant	Separate tracks for hail, tornado, wind, and flash flood